

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): LYSINGER  
Serial No.: 10/690,368  
Filing Date: October 21, 2003

Examiner: Lam, David  
Group Art Unit: 2827  
Atty Docket No.: 03-C-041

Title: MAGNITUDE CONTENT ADDRESSABLE MEMORY

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

The undersigned submits herewith patents, publications or other information (enclosed herewith and/or listed on the enclosed list of references form) of which he or she is aware, which he or she believes is relevant and may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR §1.56. The order of listing of the references on the attached form and any appendix hereto is without regard for relative relevance to the present invention.

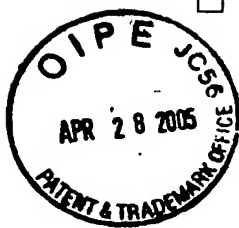
This Information Disclosure Statement is submitted:

- ☐ under 37 CFR §1.97(a), or  
(Accompanies the new patent application submitted herewith.)
- ☐ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last.)
- ☐ under 37 CFR 1.97(c) together with either a:  
☐ Statement under 37 CFR 1.97(e), or  
☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first.)
- ☒ under 37 CFR 1.97(d) together with a:  
☒ Statement under 37 CFR 1.97(e), and  
☒ a \$180.00 fee set forth in 37 CFR 1.17(p).  
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee.)
- ☒ Applicant(s) submit herewith Form PTO 1449-Information Disclosure Citation together with required copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.
- ☐ PRIOR APPLICATIONS References identified with an asterisk (\*) in the enclosed PTO Form 1449, were disclosed in prior Patent Application No. \_\_\_\_\_, filed \_\_\_\_\_, now U.S. Patent No. \_\_\_\_\_, and, as such, copies thereof are not included pursuant to the provisions of 37 CFR 1.98(d).

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☐ **FOREIGN LANGUAGE DOCUMENTS** A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on Form PTO 1449 and is enclosed herewith.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR §1.56, this statement does not constitute an admission that any patent, publication or other information referred to therein is "prior art" or "material" to this invention or any application for patent for this invention.

In accordance with 37 CFR §1.97, the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that other information that may be material as defined in 37 CFR §1.56 exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR §1.97 and §1.98 and MPEP §609. In addition, the Examiner is requested to conduct a thorough independent search in order to bring the best references available forward in this application.

It is requested that the information disclosed herein be made of record in this application.

I hereby certify that this correspondence is being deposited with the United States Postal Service as ~~first class mail~~ with sufficient postage in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

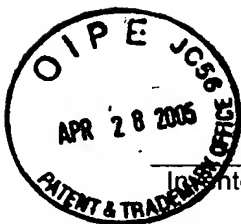
Date of Deposit: April 28, 2005

Typed Name: Renee Michelle Leveque

Signature: \_\_\_\_\_

*Express Mail RMC*  
*389339*  
Respectfully submitted,

*[Signature]*  
Renee Michelle Leveque  
Attorney/Agent for Applicant(s)  
Reg. No. 36,193  
Date: April 28, 2005  
Telephone No.: 301-668-3073



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STATEMENT UNDER 37 CFR 1.97(e)

Sir:

The undersigned hereby certifies that either:

☒ Each item of information contained in the Information Disclosure Statement was first cited in any Communication from a foreign patent office in a counterpart foreign application, not more than three months prior to the filing of the statement, or

☐ No item of information contained in the Information Disclosure Statement:

Was cited in a communication from a foreign patent office in a counterpart foreign application, and

To the knowledge of the undersigned, after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

☒ FEE AUTHORIZATION

At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 19-1353 pursuant to 37 CFR 1.25.

Respectfully submitted,

By 

Renee' Michelle Leveque

Attorney/Agent for Applicant(s)

Reg. No. 36,193

Date: April 28, 2005

Telephone No. 301-668-3073

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Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/690,368
Filing Date	October 21, 2003
First Named Inventor	LYSINGER
Art Unit	2827
Examiner Name	Lam, David
Attorney Docket Number	03-C-041

Sheet	1	of	1
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## U. S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to office. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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First Named Inventor LYSINGER

Art Unit 2827

Examiner Name Lam, David

Attorney Docket Number 03-C-041

Sheet 1 of 1

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		JALALEDDINE S M S ET AL: "Associative IC Memories with Relational Search and Nearest-Match Capabilities" IEE Journal of Solid-State Circuits, IEEE Inc. New York, US, vol. 27,	
		no. 6, 1 June 1992, pages 892-900, XP000306390, ISSN: 0018-9200	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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